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ESOR AIMS COURSE 2022

Hosted by the SMRI and FMRI

AIMS Mexico CARDIOVASCULAR IMAGING

June 15, 2022, Mexico City
June 17, 2022, Oaxaca



AIMS, the ESOR Visiting Seminars, are materialised in partnership with the Mexican Federation of Radiology and the Mexican Society of Radiology. The seminars in Mexico are made possible through an unrestricted grant from Bracco.



ESOR EUROPEAN SCHOOL
OF RADIOLOGY

ESR EUROPEAN SOCIETY
OF RADIOLOGY

EDUCATION IN PARTNERSHIP

EUROPEAN SCHOOL OF RADIOLOGY

The European School of Radiology (ESOR) is an established and growing project, fulfilling the mission of the European Society of Radiology (ESR) in the field of education. Its main goal is to assist in harmonising radiological education in Europe. With its wide range of activities, ESOR additionally aims to raise standards in the field of scientific radiology, to extend and coordinate teaching resources worldwide and to help young radiologists to obtain the knowledge and skills to fulfil tomorrow's requirements.

ESOR stands for education in partnership.

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WELCOME TO AIMS MEXICO



Dear Colleagues,

The AIMS programme has been set up by ESOR to establish educational links and exchange between ESR and National Radiological Societies outside Europe.

As of 2013, the programme has been expanded to establish a working partnership with the Mexican Federation of Radiology (FMRI) and the Mexican Society of Radiology (SMRI). This opened up a long-term creative opportunity for an educational bridge and scientific integration in radiology between Europe and Mexico, which is made possible by an unrestricted grant from Bracco.

In 2022, two seminars will be held, focusing on Cardiovascular Imaging. The chosen venues are Mexico City and Oaxaca. The educational programmes will be delivered jointly by renowned European speakers and esteemed Mexican lecturers in an effort to create additional opportunities in exchanging expertise and enhancing scientific ties.

We do hope that such an international cooperation responds to and addresses actual needs, at the same time offering scientific synergies and partnership envisioned to flourish on a larger scale.

On behalf of the FMRI, the SMRI and ESOR, we would like to encourage young colleagues from Mexico to actively participate and benefit from an excellent programme.

Professor Valérie Vilgrain
ESOR Scientific/Educational Director

Dra. Nora E. Rodriguez Pedraza
SMRI President

Dr. Mauricio Figueroa Sanchez
FMRI President



AIMS Mexico

CARDIOVASCULAR IMAGING

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Course information

The course is aimed at participants from Mexico and surrounding countries, in particular last year residents, board-certified radiologists and fellows interested in Cardiovascular Radiology. This course is designed to address recent updates and well-established applications in this fast-evolving field within Radiology. It is organized as a multimodality course discussing the most relevant clinical applications of both Cardiac CT and MR together with clear recommendations for optimized imaging protocol and structured approach to reporting.

One clinical focus will be the state-of-the-art application of Cardiac MR in the characterization of ischemic and non-ischemic myocardial disease. Another main topic will include the use of Cardiac CT in the visualization of coronary arteries and the diagnosis of coronary artery disease. Finally, recent imaging recommendations to describe carotid diseases will be presented and discussed. The faculty consists on renowned European and Mexican experts who will ensure high-quality teaching. The well-established ESOR course structure will be followed by combining lectures and interactive case discussions.

Learning objectives

- To learn and consolidate knowledge the clinical use of Cardiac MR in the characterization of myocardial diseases
- To learn about the emerging role of Cardiac CT in the management of patients suffering from coronary artery disease
- To advance knowledge in the state-of-the-art examination and interpretation of carotid diseases

Please contact the Mexican Society of Radiology (SMRI) for registration in Mexico City:

Website: <https://www.smri.org.mx/index.php>

Registration information: <https://bit.ly/esor2022>



CARDIOVASCULAR IMAGING

June 15, 2022, Mexico City

June 17, 2022, Oaxaca

Wednesday, June 15, 2022, Mexico City

Friday, June 17, 2022, Oaxaca

08:00-08:45	Registration
08:45-09:00	Welcome and introduction (SMRI or FMRI and ESOR)
09:00-09:30	Cardiac and coronary anatomy: from normal to pathological H. Goerne (Guadalajara/MX)
09:30-10:00	Cardiac MR in ischemic myocardial disease: basic techniques and clinical applications A. Jacquier (Marseille/FR)
10:00-10:30	Cardiac MR in non-ischemic cardiomyopathies M. Francone (Milan/IT)
10:30-11:00	Coffee break and group split up
11:00-13:00	Workshops in 3 groups - rotations (H. Goerne, A. Jacquier, M. Francone)
13:00-14:00	Lunch break
14:00-14:30	Cardiac CT in coronary artery disease: basic techniques and clinical Applications E. Kimura (Mexico City/MX)
14:30-15:00	Imaging and Quantification of Carotid Diseases C. Loewe (Vienna/AT)
15:00-15:30	Cardiac CT in valvular heart disease H. Alkadhi (Zurich/CH)
15:30-16:00	Coffee break and group split up
16:00-18:00	Workshops in 3 groups - rotations (E. Kimura, C. Loewe, H. Alkadhi)
18:00	Certificate of attendance

Host organisers



Dr. Nora E. Rodriguez Pedraza
(Mexico City)



Dr. Marco Antonio Corres Castillo
(Oaxaca)



For further information
on the programme and
registration please visit

esor.org

Learning Objectives

CARDIOVASCULAR IMAGING

June 15, 2022, Mexico City

June 17, 2022, Oaxaca

Cardiac and coronary anatomy: from normal to pathological

Harold Goerne (Guadalajara/MX)

- To know anatomical features of cardiac chambers
- To know coronary arteries anatomy and variants
- To review the anatomic pitfalls of the heart and coronaries
- To discuss the role of CT and MRI in evaluation of these entities

Cardiac MR in ischemic myocardial disease: basic techniques and clinical applications

Alexis Jacquier (Marseille/FR)

- Understand how to choose and adjust the parameter of a late gadolinium enhancement sequence
- Understand how to set a stress perfusion CMR
- Tips and tricks to recognize ischemic from non ischemic pattern
- Know how to report a cardiac MR to explore ischemic myocardial disease

Cardiac MR in non-ischemic cardiomyopathies

Marco Francone (Milan/IT)

- To become familiar with the importance of using a phenotype-based approach for the evaluation of non-ischemic cardiomyopathies
- To learn about the strengths and possibilities of CMR-based tissue characterization capabilities of conventional and T1-T2 mapping-based imaging techniques
- To understand the prognostic implications derived from myocardial function and tissue abnormalities observed with modern cardiac imaging

Cardiac CT in coronary artery disease: basic techniques and clinical applications

Erik Kimura (Mexico City/MX)

- To understand CCTA physics
- To acknowledge CCTA out and in-CT room preparation
- To understand the current role of CCTA in clinical practice

Imaging and Quantification of Carotid Diseases

Christian Loewe (Vienna/AT)

- The learn and consolidate knowledge about state of the art CT imaging technique for the supraaortic arteries
- To become familiar with appropriate assessment and quantification of carotid stenosis severity
- To advance knowledge about imaging-based biomarkers to predict the risk and outcome of carotid disease
- To get an overview about actual guidelines for imaging and interpretation in carotid disease

Cardiac CT in valvular heart disease

Hatem Alkadhi (Zurich/CH)

- To become familiar with optimized CT protocols for imaging of the cardiac valves.
- To understand the most common types of valve diseases that can be visualized with CT.
- To illustrate the potential and limitations of CT for imaging of the cardiac valves.
- To summarize the role of CT for pre-interventional planning of minimally invasive valve implantation.





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